

**LEHRSTUHL FÜR STEUERUNG
INNOVATIVER UND KOMPLEXER
TECHNISCHER SYSTEME
PROF. DR. LASSE GERRITS**



Education Program WS 2015/16

(Main-) Seminar: Governance of Complex Systems IV - Confronting the Urban Crisis: introduction to urban governance

Room: F21/03.03
Time: Tuesday, 12-14 h
Start: 13th of October 2015

Description:

At the turn of this century, there were more people living in cities than on the countryside. This poses a whole range of city-specific policy issues. How does one accommodate so many people living together without deterioration of the quality of life? How does one cater for the needs of everybody within legal and budgetary restrictions? How does one create an attractive city and how can that quality be retained in the competition for resources?

Urban planning and governance in this part of Europe has been based on modernist principles, such popularized by e.g. Le Corbusier. A general dislike for such approaches and a better understanding of the complex dynamics of urban change has brought about numerous alternative approaches. For example, Portugali has focused on the self-organizing principles within the urban, and De Roo has pointed out that the urban behaves like a complex system that defies traditional planning approaches.

This course focuses on the alternative and complexity-friendly approaches to urban and infrastructure planning processes. We will discuss the historical development of planning methods and the properties of contemporary approaches. We will focus on both the conceptual changes and the practical changes in terms of e.g. planning legislation and practices. A small research project, to be carried out by the students, is part of this course.

Learning goals:

- To describe the historical changes of urban and infrastructure planning in Europe
- To analyze the fit (or lack thereof) between traditional planning approaches and urban dynamics
- To identify the dimensions of contemporary urban challenges in terms of the complexity sciences
- To propose alternative approaches to traditional planning procedures if these traditional approach fail to deliver the desired results.

Test: students will be required to carry out a small research project and to report on this project. The written report will be graded.

Literature (mandatory)

E-reader, available online through Virtual Campus

See the reading guide on Virtual Campus for a detailed table of contents

Note:

The seminar is taught in English. A minimum of 3 participants is required for this seminar.

Registration:

Registration will be done during the first lesson or via FlexNow!

Speaking hours:

Thursday, 02:00-03:00 p.m.

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